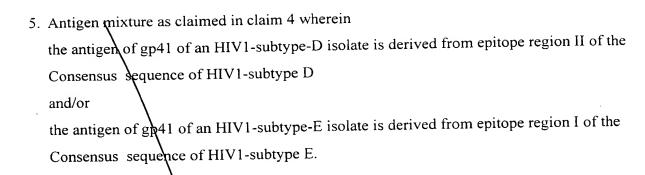


## Claims

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Process for the detection of antibodies against HIV by means of an immunoassay wherein

- a) at least one antigen of gp24 of an HIV1-subtype-D isolate and at least one antigen derived from gp41 of a different HIV1 subtype of the group M is used and/or
- b) at least one antigen of gp24 of an HIV1-subtype-E isolate and at least one antigen derived from gp41 of a different HIV1 subtype of the group M is used.
- 2. Process as claimed in claim 1 wherein
  - a) at least one antigen derived from epitope region II of the Consensus sequence of an HIV1-subtype-D isolate and at least one antigen derived from the corresponding region of gp41 of a different HIV1 subtype of the M group is used and/or
- b) at least one antigen from epitope region I of the Consensus sequence of an HIV-1-subtype-E isolate and at least one antigen derived from the corresponding region of gp41 of a different HIV1 subtype of the M group is used.
- 3. Process as claimed in claim 1 wherein the antigen of gp41 of an HIV1-subtype-D isolate corresponds to SEQ ID NO 1 to 11 or partial sequences thereof and/or the antigen of gp41 of an HIV1-subtype E isolate corresponds to SEQ ID NO 12 or partial sequences thereof.
- 4. Antigen mixture consisting of at least two antigens with at least one antigen derived from gp41 of an HIV1-subtype-D isolate and at least one antigen of gp41 of a different HIV1 subtype of the group M and/or at least one antigen derived from gp41 of an HIV1-subtype-E isolate and at least one antigen of gp41 of a different HIV1 subtype of the group M.



- 6. Antigen mixture as claimed in claim 4 or 5 wherein the antigen of gp41 of an HIV1-subtype-D isolate corresponds to SEQ ID NO 1 to 11 or partial sequences thereof with a minimum length of 7 AA, and/or the antigen of gp41 of an HIV1-subtype-E isolate corresponds to SEQ ID NO 12 or partial sequences thereof with a minimum length of 6 AA.
- 7. Antigen mixture as claimed in one of the claims 4 to 6 wherein an additional antigen is used that is derived from epitope region I and/or II of HIV1-subtype O.
- 8. Antigen containing a sequence according to SEQ ID NO 1 to 11 or partial sequences thereof with a minimum length of AA.
- 9. Antigen containing a sequence according to SEQ ID NO 12 or partial sequences thereof with a minimum length of 6 AA.
- 10.Use of an antigen mixture as claimed in one of the claims 5 to 7 for the detection of antibodies against HIV.
- 11.Use of an antigen as claimed in one of the claims 8 or 9 for the detection of antibodies against HIV.

- 12.Use of an antigen as claimed in claim 8 or 9 or of an antigen mixture as claimed in one of the claims 5 to 7 in a combination test according to DE 197 09 762.6 for the detection of antibodies against HIV.
- 13.Reagent for the detection of antibodies against HIV by means of an immunoassay consisting of
  - a) at least one antigen of gp24 of an HIV1-subtype-D isolate and at least one antigen derived from gp41 of a different HIV1 subtype of the group M and/or
  - b) at least one antigen of gp24 of an HIV1-subtype-E isolate and at least one antigen derived from gp41 of a different HIV1 subtype of the group M and the usual test additives for immunoassays.
- 14.Reagent for the detection of antibodies against HIV by means of an immunoassay consisting of
  - a) at least one antigen of gp41 of an HIVI-subtype-D isolate from epitope region II of the Consensus sequence of HIV1-subtype D and at least one antigen derived from gp41 of a different HIV1 subtype of the M group and or
  - b) at least one antigen of gp41 of an HIV1-subtype-E isolate from epitope region I of the Consensus sequence of HIV1-subtype E and at least one antigen derived from gp41 of a different HIV1 subtype of the M group and the usual test additives for immunoassays.

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